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HAJNAL, Tibor, Dr.

Accomplishments of the tuberculosis dispensary of the third district in the capitol city in 1956. Tuberkulozis 10 no.3-4:59-63 Mar-Apr 57.

1. A budapesti fovarosi II., ker TBC Gondozo Intezet (vezeto foorvos Hajnal Tibor dr., Kozponti Igazato: Szakkay Antal dr) kozlemenye.

(TUBERCULOSIS, PULMONARY, prev. & control
in Hungary, activities & accomplishments of a tubere. dispensary in Budapest (Hun))

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HAJNAL, Tibor, dr.; FERENCZI, Gyorgy, dr.

Epidemiological significance of antituberculotic agents.
Tuberk. kerdesei 9 no.2:63-66 Apr 56.

1. A Budapesti III. ker. TBC Gondozo Intezetenek (kozponti igazgato: Szakkay, Antal dr., vezetoorvos: Hajnal, Tibor dr.) es az Orszagos Karanyi TBC intezet Mikrobiologiai osztalyanak (igazgato: Dessauer, Pal dr., osztalyvezeto: Kertay, Nandor dr.) kozlemenye.
(TUBERCULOSIS, PULMONARY, epidemiol.
eff. of antituberculotic drugs (Hun))

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HAJNAL, F.

Significance of maintaining an epidemiological map at district tuberculosis institutes. p. 55. (Nepegeszsegugy, Budapest, Vol 36, no. 2, Feb. 1955.)
SO: Monthly list of East European Accessions (EEAL), LC Vol 4, no. 6, June 1955 Uncl

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HAJNAL, T.; NAGY, A.

Role of a small child as a diagnostic test object in the differential diagnostic test object in the differential diagnosis of acute pulmonary conditions. Orv. hetil. 94 no.25:694 21 June 1953. (CIML 25:1)

1. Doctors. 2. Third District Metropolitan Tuberculosis Center (Director -- Dr. Antal Szakkay, Head Physician -- Dr. Tibor Hajnal).

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HAJNAL, T.

Significance of sputum examinations in the epidemiology of tuberculosis; epidemiological data from the III. district of Budapest. Orv. hetil. 93 no. 50:1418-1424 14 Dec 1952. (CLML 24:1)

1. Doctor. 2. Third District Tuberculosis Center (Director -- Dr. Antal Szakkay; Head Physician -- Dr. Tibor Hajnal), Budapest.

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HAJNAL T. Kozlemeny Budapest Fovaros III. ker. Tudobeteggondozo Intezetebol. A tuberkulin pozitiv gyermekekkel kapesolatos gockutatas tanulsagai Budapest Fovaros III. keruleteben Case-finding by following up Mantoux-positive children in a district of Budapest Orvosi Hetilap, Budapest 1950, 91/5 (134-140)

In connection with BCG vaccination 430children were referred to the clinic from day nurseries, factory nurseries and kindergartens. At the time of publication, the investigation had been completed in 199 cases. The infecting source was detected in 106 cases (53.3%); of these 106 cases the infecting source lay in 97 (91.5%) in the family and domicilary history alone; in 9 cases (8.5%) a previously unknown and unsuspected infectious case was found. In 16 cases more than one infecting source was found and some of the infectious cases 79 (7015%) were alive while 33 (29.4%) were dead. In 56.9% of all cases the infecting source was intradomiciliary (neighbour, friend, school, kindergarten, relations). A review of the housing conditions in the case of these 199 children showed that 128 (64.3%) lived in a one-room flat, 30 (15.1%) in a two-room flat, 4 (2%) in a three-room flat, 2 (1%) in 'emergency accommodation' while in 35 (17.6%) the conditions were not acertainable.

Kellerman - Colchester (XV,4,7)

SO: Medical Microbiology & Hyginene Section IV, Vol. 3, No. 7-12

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HAJNAL, Sandorne

Problems relating to the manufacture of the uppers. Bor cipo 14 no.3:87-88 My'64.

1. Clothing Model Designing Enterprise.

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ERNST, E.; HAJNAL, M.

Distribution and form of potassium in the muscle. Acta physiol. hung. 16 no.2:77-86 1959

1. Biophysikalisches Institut der Medizinischen Universität, Pecs.
(MUSCLE, chemistry)
(POTASSIUM, chemistry)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

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ERNST, E.; NIEDETZKY, A.; HAJNAL, M.

Energy storage in reversible arrest of the heart by KCl. Acta physiol. hung 16 no.2 71-76 1959

1. Biophysikalisches Institut der Medizinischen Universität, Pecs.
(HEART ARREST, exper.)
(CHLORIDES, pharmacol.)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

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ERDELY, Imre; HAJNAL, Lajos; FERENCZY, Pal, fomernok; TAMAS, Ferenc, dr.; SVEHLA, Gyula, dr.; TRAGER, Tamas; BERNOLAK, Bela; ZEOLD, Istvan; KAKASY, Gyula; SAJO, Istvan, dr.

Society life. Epitoanyag 16 no. 2:66 F '64. Epitoanyag 16 no. 2:66 F '64.

1. "Epitoanyag" szerkeszto bizottsagi tagja (for Erdely and Tamas).

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HAJNAL, Lajos

Granulometric and quality questions of pebble washing and classification in Hungary. Epitoanyag 15 no.6:209-215 Je '63.

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HAJNAL, Lajos, okleveles mernok, techn. fomernok

Questions of technology and quality in Hungarian gravel mining.
Melyepitestud szemle 14 no.8/9:393-397 Ag-S '64.

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HAJNAL, L.

"Mechanized separation of dead rocks." p. 177.

EPITOANYAG. (Epitoanyagipari Tudomanyos Egyesulet). Budapest, Hungary, Vol. 11, No. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

HAJNAL, L.

TECHNOLOGY

Periodical: [illegible] Vol. [illegible]

[illegible]

Monthly List of East European Accessions (EEAI) LC, Vol. [illegible], No. 5, May 195[illegible], Unclass.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

TENYI, Jeno, dr. ; BUDA, Jozsef, dr.; HAJNAL, Jozef, dr.

Data on the attendance of the outpatient departments of the university clinics in Pecs. Nepegeszsegugy 45 no.1:121-124 Ap'64

1. Kozlemeny a Pecsi Orvostudomanyi Egyetem Kozegeszsegtani Intezetenek egeszsegugyi szervezes tanszeki csoportjatol.

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TENYI, Jeno, dr.; BUDA, Jozsef, dr.; HAJNAL, Jozsef, dr.

Examination of the number of hospitalizations at the University Clinics in Pecs, Hungary. Nepegeszsegugy 44 no.7:201-204 Jl '63.

1. Kozlemeny a Pecsi Orvostudomanyi Egyetem Kozegeszsegtani Intezetenek Egeszsegugyi Szervezestani Csoportjatol.
(HOSPITALIZATION) (STATISTICS)

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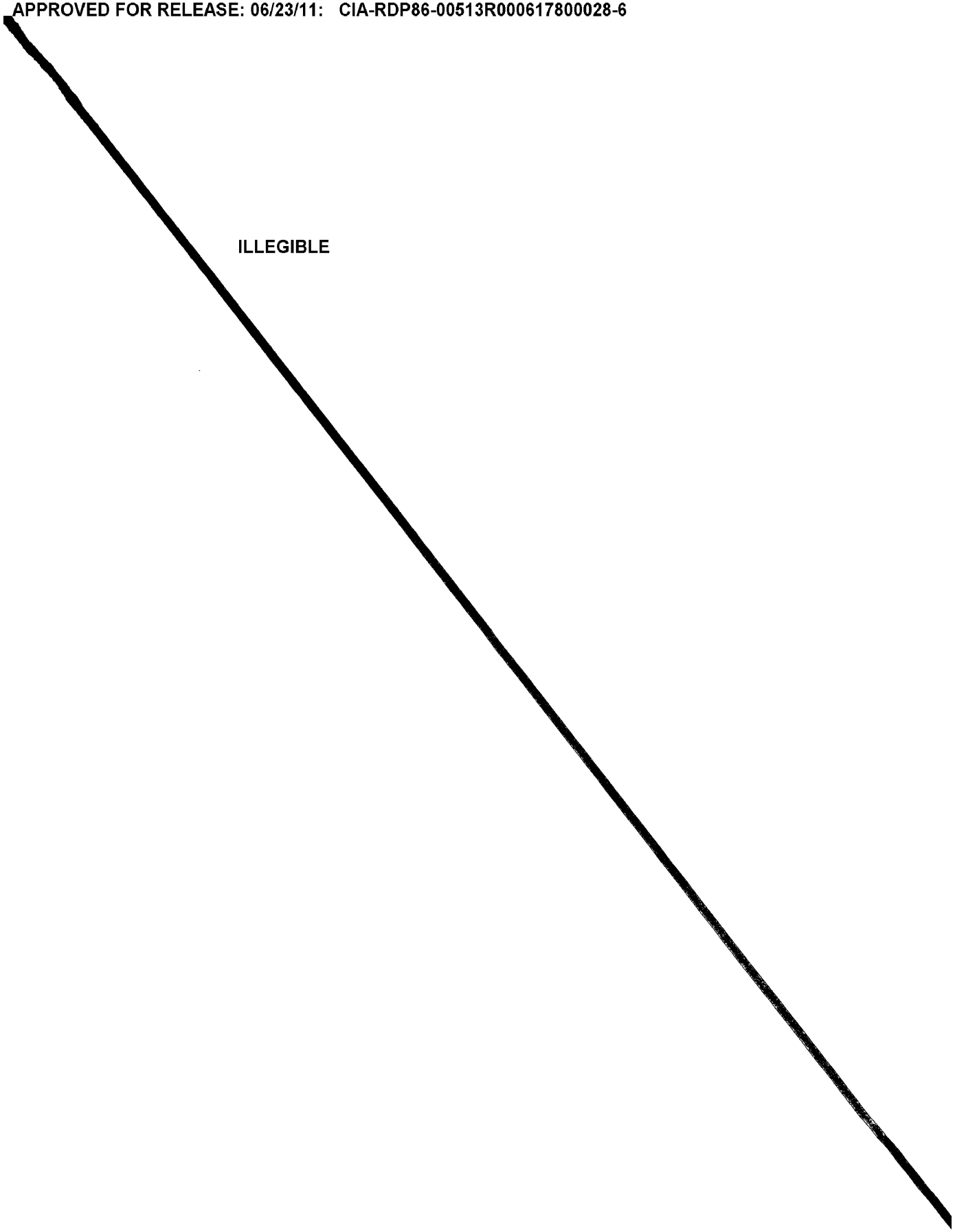

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HAJNAL, Andras, a matematikai tudomanyok doktora, tudomanyos munkatars

Contribution to some questions discussed at the conference on the applications of mathematics. Magy tud 70 no.6/7:432-434 Je-Jl '63.

1. Eotvos Lorand Tudomanyegyetem.

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HAJNAL, Albert

"Management modernization and economy in heat power plants due to automation" by W.T. Hess, W.L. Chadwick. Energia es atom 16 no.10/11 487 O '63.

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CORRADI,K.; HAJNAL,A.

On the maximal number of independent circuits in a graph.
Acta mat Hung 14 no.3/4:423-439 '63.

1. Mathematical Institute, Eotvos Lorand University, Budapest. Presented by G.Hajos.

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HAJNAL, A. (Budapest)

Remarks on the theorem of W.P. Hanf. Fund math. 54 no. [illegible]
'64.

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ERDÖS, P.; HAJNAL, A. (Budapest)

On a classification of denumerable order types and an application to the partition calculus. Fund mat 51 no.2:117-129 '62.

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CZIPSZER, J.; ERDOS, P.; HAJNAL, A.

Some external problems of infinite graphs. Mat kut kozl MTA 7 series A no.3:441-457 '62.

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HAJNAL, A. (Budapest)

Proof of a conjecture of S. Ruziewicz. Fund mat 50 no.2:123-128 '61.

(Sets, Theory of)

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HAJNAL, A. (Budapest)

On a consistency theorem connected with the generalized continuum problem. Acta mat Hung 12 no.3/4:321-376 '61.

1. Presented by Laszlo Kalmar.

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ERDOS, P. (Budapest); HAJNAL, A. (Budapest)

On a property of families of sets. Acta mat Hung 12 no.1/2:87-123 '61. (EEAI 10:9)

1. Corresponding member of the Hungarian Academy of Sciences, Budapest. (for Erdos).

(Numbers, Theory of) (Aggregates)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

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Erdös, P.; and Hajnal, A. On the structure of set-mappings. Acta. math. Acad. Sci. Hungar. 9 (1958), 111–131.

The symbol $(m, n, t)\rightarrow p$ stands for the following proposition. Let S be a set of power m, Let f be a mapping defined on the set of all subsets of S of cardinal t, such that $f(X)\subset S$, $f(X)\cap X=\emptyset$, and $|f(X)|<n$. Then S has a subset S' of power p such that $f(X)\cap S'=\emptyset$ for all $X\subset S'$ (and $|X|=t$).

The symbol $(m, n, \omega)\rightarrow p$ stands for the corresponding proposition for a mapping defined on the set of all finite subsets of S. The negations are indicated by $\nrightarrow$. [For background, see P. Erdös, Proc. Amer. Math. Soc. 1 (1950), 127–141; MR 12, 14; and Erdös and Fodor, Acta. Sci. Math. Szeged. 18 (1957), 243–260; MR 19, 1152.]

Typical results for the case in which m is infinite: (A) If t is infinite, then $(m, 2, t)\nrightarrow t$. (B) If $m<\aleph_\omega$, then $(m, 2, \omega)\nrightarrow\aleph_0$. (C) Under the generalized continuum hypothesis (g.c.h.), $(\aleph_{\alpha+k}, \aleph_\alpha, k)\rightarrow\aleph_{\alpha+1}$ for finite k. (D) Under the g.c.h. $(m, n, k)\rightarrow m$ if m is singular, $n<m$, and k is finite. (E) If m is strongly inaccessible, and if a set of this power admits a Ulam measure, then $(m, n, \omega)\rightarrow m$ for $n<m$.

Open problems: (1) $(\aleph_\omega, 2, \omega)\rightarrow\aleph_0$? (note: $\nrightarrow\aleph_1$). (2) $(\aleph_3, \aleph_0, 3)\rightarrow\aleph_2$? (note: $\rightarrow\aleph_1$ but $\nrightarrow\aleph_3$). (3) $(\aleph_2, 2, 3)\rightarrow\aleph_1$? (note: $\rightarrow\aleph_0$ but $\nrightarrow\aleph_2$). *L. Gillman* (Princeton, N. J.)

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HAJNAL, A.; KALMAR, L.

"Remarks on the Godel axiom system of the theory of sets."

p. 218 (Matematikai Lapok) Vol. 7, no. 3/4, 1956
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

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HAJNAL, A.; KALMAR, L.

HAJNAL, A.; KALMAR, L. Remarks about Goedel's system of axioms for the theory of sets, I. p. 26.

Vol. 7, no. 1/2, 1956
MATEMATIKAI LAPOK
SCIENCE
HUNGARY

So: East European Accessions, Vol. 5, No. 9, Sept. 1956

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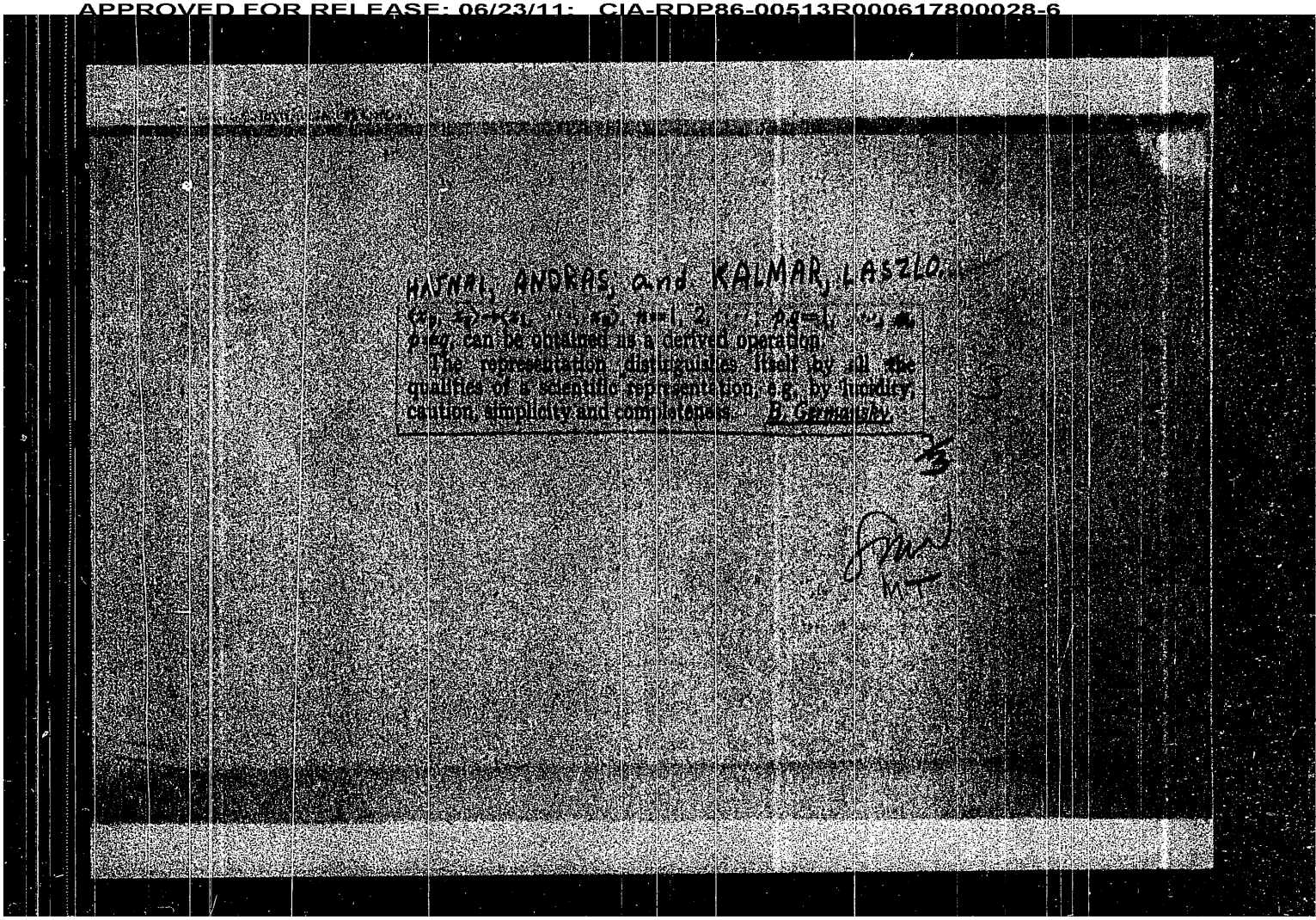

HAJNAL, ANDRAS, and KALMAR, LASZLO.

$(x_1, x_2, \ldots, x_n)$, $n=1, 2, \ldots$, $x_i = 1, 0$ or $\frac{1}{2}$, $i=1, \ldots, n$

p_{neg} can be obtained as a derived operation.

The representation distinguishes itself by all the qualities of a scientific representation, e.g., by finality, caution, simplicity and completeness. B. Gerganov.

3

MT

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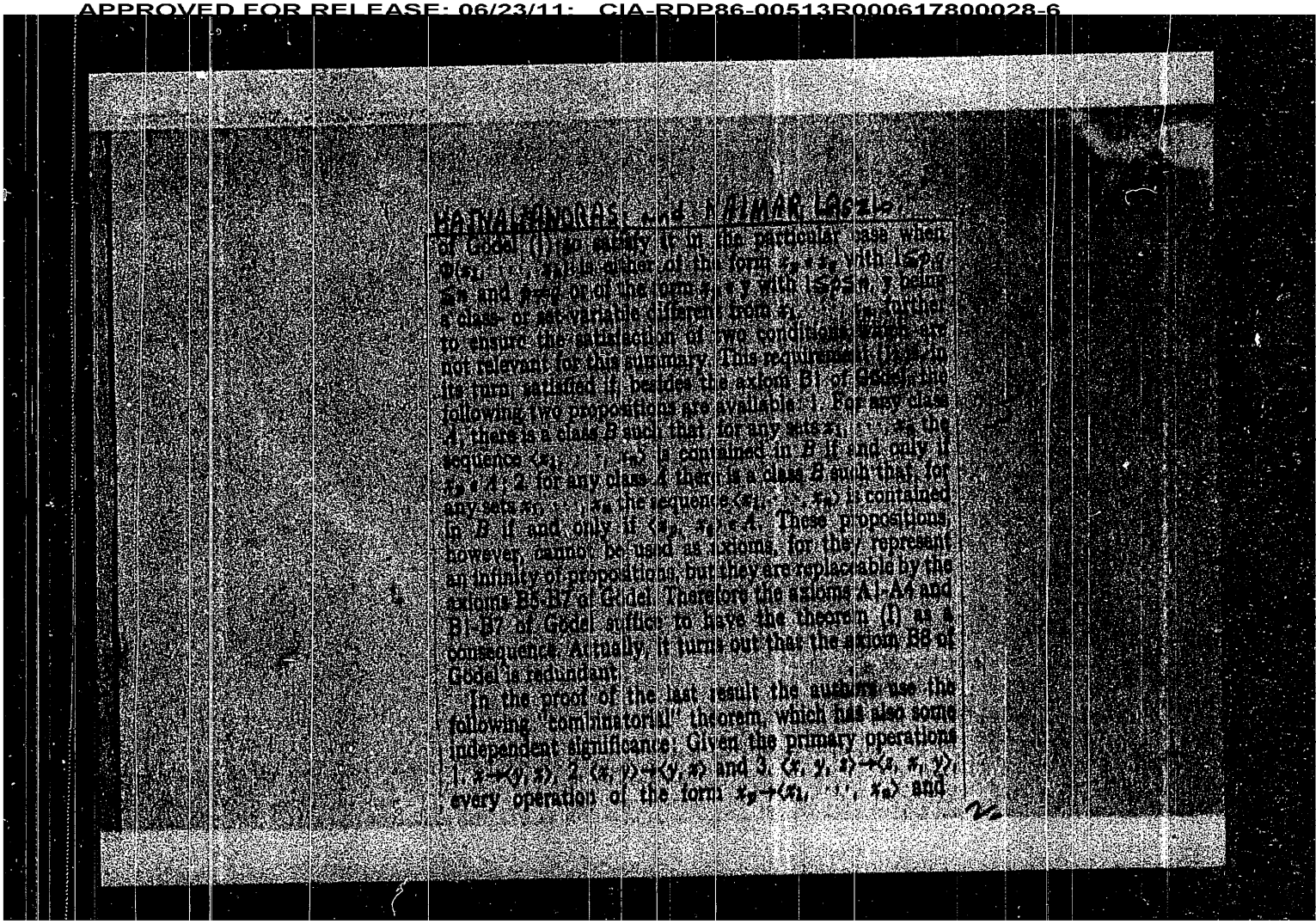

of Gödel (I) to satisfy it in the particular case when $\Phi(x_1, \cdots, x_n)$ is either of the form $x_p \in x_q$ with $1 \leq p, q \leq n$, $x_p = x_q$ or of the form $x_p \in y$ with $1 \leq p \leq n$, y being a class- or set-variable different from $x_1, \cdots, x_n$. In order to ensure the satisfaction of two conditions which are not relevant for this summary. This requirement is then in its turn satisfied if, besides the axiom B1 of Gödel, the following two propositions are available: I. For any class A, there is a class B such that, for any sets $x_1, \cdots, x_n$, the sequence $\langle x_1, \cdots, x_n \rangle$ is contained in B if and only if $x_p \in A$; 2. for any class A there is a class B such that, for any sets $x_1, \cdots, x_n$ the sequence $\langle x_1, \cdots, x_n \rangle$ is contained in B if and only if $\langle x_p, x_q \rangle \in A$. These propositions, however, cannot be used as axioms, for they represent an infinity of propositions, but they are replaceable by the axioms B5-B7 of Gödel. Therefore the axioms A1-A4 and B1-B7 of Gödel suffice to have the theorem (I) as a consequence. Finally, it turns out that the axiom B8 of Gödel is redundant.

In the proof of the last result the authors use the following "combinatorial" theorem, which has also some independent significance: Given the primary operations 1. $x \to \langle y, x \rangle$, 2. $\langle x, y \rangle \to \langle y, x \rangle$ and 3. $\langle x, y \rangle, z \to \langle x, \langle y, z \rangle \rangle$, every operation of the form $x_p \to \langle x_1, \cdots, x_n \rangle$ and

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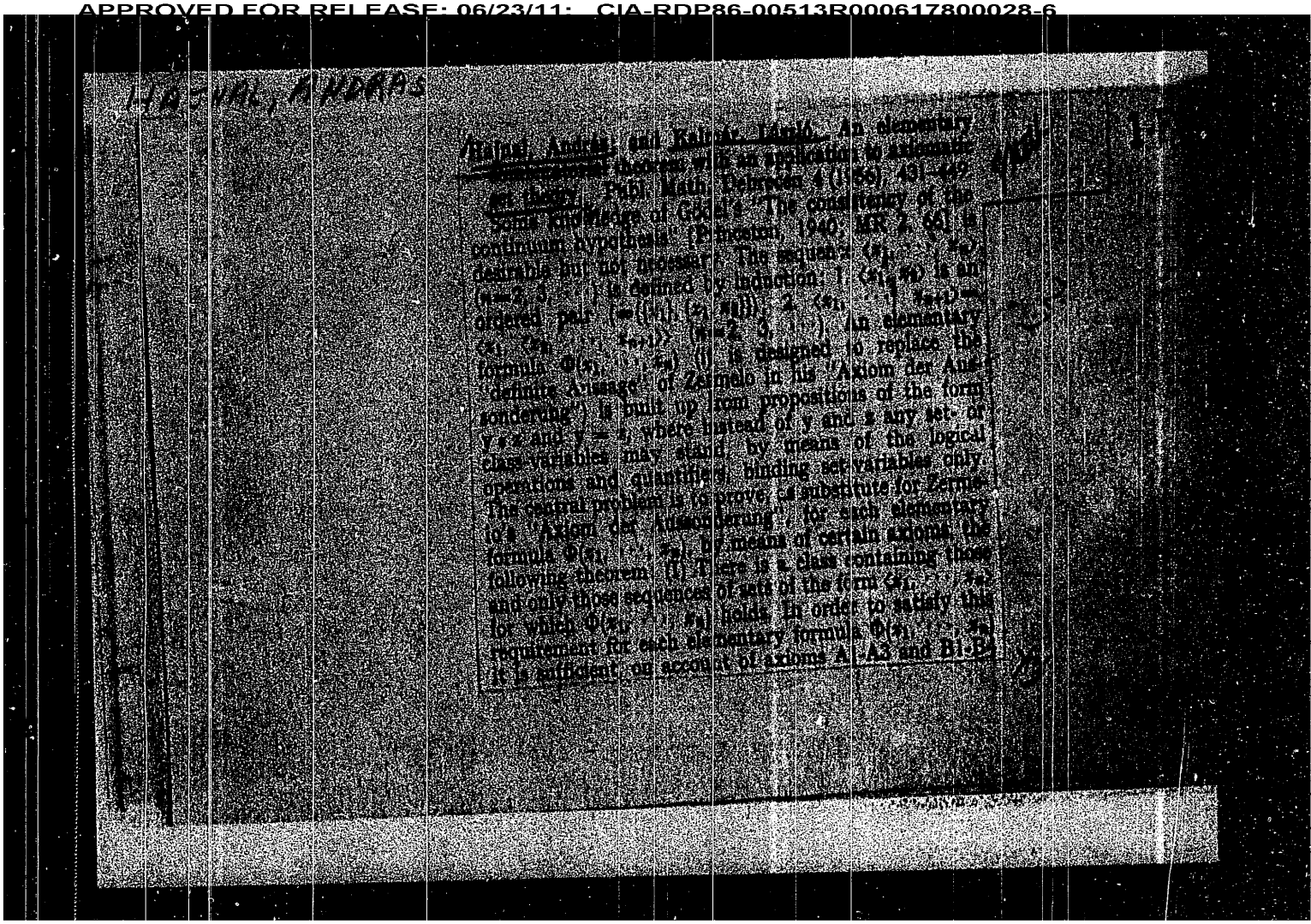

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Hajnal, András.

$\beta=K_1{}'\alpha$, $\gamma=K_2{}'\alpha$, and [reviewer's notation] $W_i=\mathfrak{W}(J_i)$. The definition of G on W_i $(i<9)$ is like that of F: $G'\alpha=G''\alpha$ for $\alpha\in W_0$, and $F_i(G'\beta, G'\gamma)$ for $\alpha\in W_i$ $(0<i<9)$. On the other classes its values are as follows. For $\alpha<\omega_\mu$: $G'\alpha=G'\beta\cdot 0_{\mathfrak{N}}$ $(\alpha\in W_9)$, $G'\beta\cdot h'G'\gamma$ $(\alpha\in W_{10})$, $G'\beta\cdot h'G'\gamma$ $(\alpha\in W_{11})$; and for $\alpha\geqq\omega_\mu$: $G'\alpha=0$ $(\alpha\in W_9)$, $G'\beta\cdot h$ $(\alpha\in W_{10})$, $G'\beta\cdot h$ $(\alpha\in W_{11})$.

L. Gillman (Lafayette, Ind.).

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Hajnal, András. On a consistency theorem connected with the generalized continuum problem. Z. Math. Logik Grundlagen Math. 2 (1956), 131–136.

Announcement of the following remarkable result (the proof of which will appear in detail in Acta Math. Acad. Sci. Hungar.): For any members, Λ, N of a certain wide class of ordinal numbers (called "absolutely definable"), if the inequality $\exp \aleph_\Lambda \geqq \aleph_{\Lambda+N+1}$ is consistent with Gödel's axiom system Σ^*, then so is the equality $\exp \aleph_\Lambda = \aleph_{\Lambda+N+1}$, even if one assumes that $\exp \aleph_\mu = \aleph_{\mu+1}$ for every $\mu \geqq \Lambda+N$ (here $\exp \aleph_\nu$ denotes $2^{\aleph_\nu}$ [reviewer's notation]). As an immediate corollary (specialized to the case $\Lambda=0$, $N=1$): the equation $\exp \aleph_0 = \aleph_1$ is demonstrable in Σ^* if and only if the inequality $\exp \aleph_0 \neq \aleph_2$, or the inequality $\exp \aleph_0 \neq \exp \aleph_1$, is demonstrable in Σ^*. It is pointed out that the proofs are constructive, so that, e.g., from a given proof that $\exp \aleph_0 \neq \aleph_2$, one can construct a proof that $\exp \aleph_0 = \aleph_1$. The outline of the construction of the model is as follows. Let λ, ν satisfy $\exp \aleph_\lambda \geqq \aleph_\mu$, where [reviewer's notation] $\mu = \lambda + \nu + 1$. Define a one-one mapping h on ω_μ into the power set of ω_λ, and a function k on ω_μ that associates with every $\alpha < \omega_\mu$ a one-one mapping of α onto its cardinal. Define S, J, K_1, K_2 and J_1 as in Gödel's construction of Δ, but this time with respect to the class $12 \times On^2$ (instead of $9 \times On^2$). The model is that determined by $\mathfrak{M}(G)$, where G is the following function on On. Write

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HAJNAL, Albert

"Some modern trends in heat power production" by C. Seippel. Reviewed by Albert Hajnal. Energia es atom 16 no.10/11 492 O '63.

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HAJNAL, Albert, okleveles gepeszmernok

Modern guiding principles for determining the boiler feed pump characteristics. Energia es atom 16 no.4:145-158 Ap '63.

1. Eromu Tervezo Iroda.

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HAJNAL, Albert

New methods for measuring electric power production. Energia es atom 14 no.8/9:372-381 S '61.

1. Eromuveket Tervezo Iroda.

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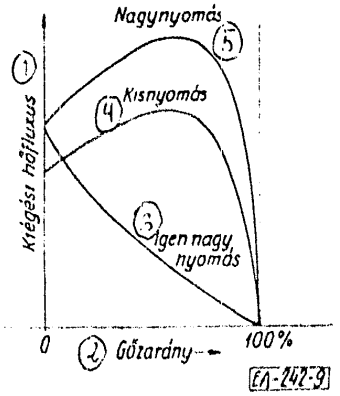
Boiling effects in liquid-cooled...

Legend to Fig. 9:
1) burnup heat flux
2) steam, %
3) very high
4) low
5) high pressure



EA-2427-9 Fig. 9

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Boiling effects in liquid-cooled...

Legend to Fig. 6:
a) heat convection to single-phase fluid, c) nucleate boiling
d) critical flux, f) danger of burnup

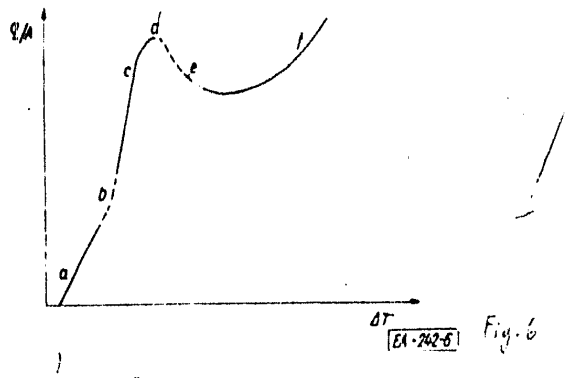

Fig. 6

Card 5/6

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Boiling effects in liquid-cooled...

Legend to Fig. 5:
1) pressure drop , 2) mass-flow rate,
3) saturation, 4) undercooling
I - singel-phase liquid
II - boiling
III - single phase vapor

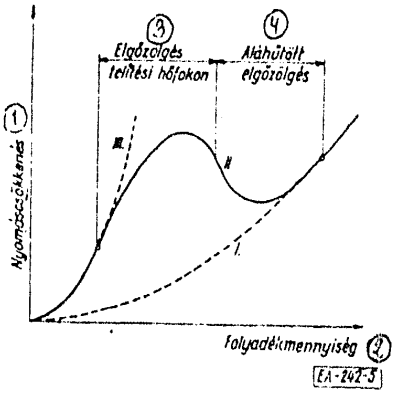

Fig. 5

Card 4/6

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Boiling effects in liquid-cooled...

in boiling-water reactors may cause pulsed operation and heavy damage to fuel elements. The characteristic stages of boiling are usually illustrated by the "boiling" or "evaporation" curve in terms of the heat flux (q/A, where A is the cross section of flow) and the temperature difference. For the relations between burnup heat flux, mass flow rate, undercooling, and pressure of the system W. H. Jens and P. A. Lottes suggested an empirical equation. Two Soviet research workers (not mentioned) conducted experiments under similar conditions and obtained a similar equation. For burnup in the case of zero undercooling, equations of the Westinghouse Atomic Power Division are recommended for water. For other liquids, such as organic compounds, the Rohsenow-Griffith formula of general validity is applicable. A special case is the spray-cooled reactor recently studied in Great Britain and Italy, incompletely developed yet, but promising. There are 9 figures, 1 table, and 4 non-Soviet-bloc references.

ASSOCIATION: Erőmű Tervező Iroda (Power Station Design Office)

Card 3/6

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Boiling effects in liquid-cooled...

are presented in a figure showing the distinctly delimitable stages of boiling and evaporation of a liquid flowing in a tube of small diameter and confronted with the corresponding reactor-cooling methods. These are: undercooled evaporation (high-pressure water-cooled reactor); nucleate evaporation (boiling-water reactor); transition or frothing flow; annular flow (spray-cooled reactor); non-liquid or water dispersed in steam superheated stage (superheating boiling reactor). Start is made from the dynamics of bubbling. The author finds that experiments so far conducted on the two component gas-liquid system did not cover entirely the conditions of two phase systems. Results of investigations on hydraulic losses in the cooling channels of fuel elements and on the corresponding pressure conditions in two-phase systems are afterwards summed up. The first approximation was to consider the steam-water mixture a homogeneous fluid in thermodynamical equilibrium. Martinelli and Nelson attempted at calculating a two phase flow by considering the pressure-drop components separately. The author reproduces a graph on the relation between mass flow rate (lb/ft^2hr) and pressure drop in the cooling channel. Local fluctuations in pressure drop of sufficient importance to produce boiling, may cause instability which

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H/008/61/014/002/001/001
B122/B227

AUTHOR: Hajnal, Albert

TITLE: Boiling effects in liquid-cooled reactors

PERIODICAL: Energia és Atomtechnika, v. 14, no. 2, 1961, 84-96

TEXT: The author summarizes from recent publications (papers published in Nuclear Power and Nuclear Engineering of 1957-1960 are referred to) the most important research results on boiling effects in a) high-pressure liquid-cooled, and b) boiling reactors; the superheating boiling reactor is excluded from treatment. The statements of the paper refer in the first place to water as a coolant. The purpose of the paper is to resume knowledge available on the effects of boiling in "non"-boiling reactors. In these reactors boiling should by all means be prevented or reduced to transient or specific operational conditions. Details of the boiling process referring to phenomena in the boundary layer along the heated surface are dealt with first, afterwards, more complicated flow patterns and finally conditions in the reactor itself. The possible alternatives of reactor operating conditions

Card 1/6

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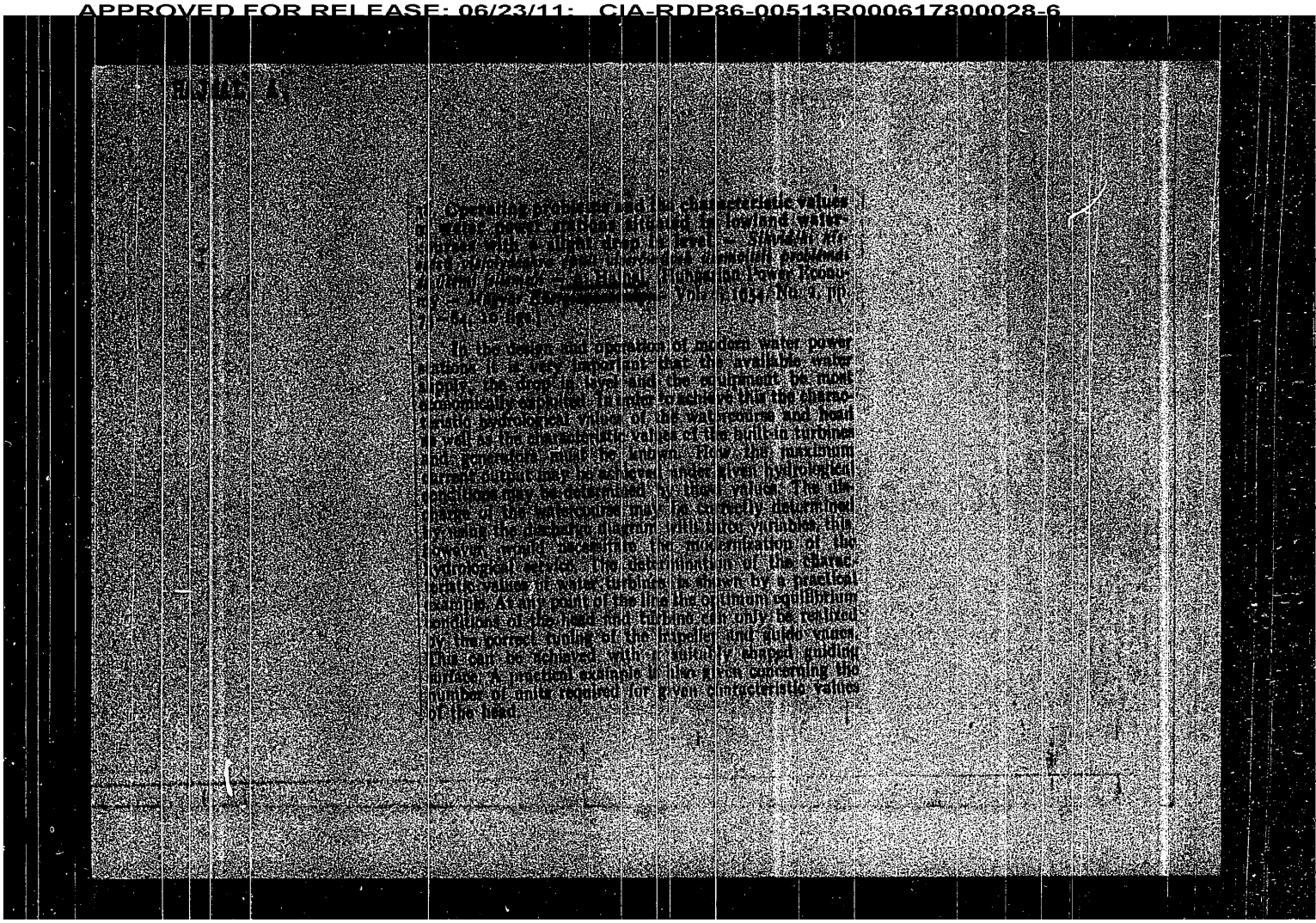

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CSASZAR, Akos; HAJOS, Gyorgy; HEPPES, Aladar; CZACH, Laszlo; HAJNA, Janos; FRIED, Ervin

Solving mathematical problems. Mat lapok 15 no.1/3:242-246 '64

1. Editor, "Mathematikai Lapok" (for Hajos).

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CSASZAR, Akos; ERDOS, Pal; TURAN, Pal; KARTESZI, Ferenc; FRIED, Ervin; WIEGANDT, Richard; CSIPSZER, Janos; KALMAR, Laszlo; KONCZ, Karoly; MAJTHAY, Antal ; BOGDAN, Zoltan; HAJNA, Janos; HETYEI, Gabor; SURANYI, Janos

Mathematical problems. Mat lapok 14 no.1/2:163-169 '63.

1. "Matematikai Lapok" felelos szerkesztoje (for Turan). 2. "Matematikai Lapok" szerkeszto bizottsagi tagja (for Kalmar).

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HAJN, T.

Principles of the economic location of supply centers for railroad construction. p.209
(PRZEGLAD KOLEJOWY, Vol. 9, No. 6, June 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

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Vol. 8, no. 11, Nov. 1956
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Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, 1957

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A reply concerning the remarks by W. Grobicki, p. 394.
(PRZEGLAD KOLEJOWY. Vol. 8, no. 10, Oct. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957. Uncl.

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HAJN, T. A machine for shifting racks laterally on railroads of the German Democratic Republic. p. 97. Vol. 5, no.3, Mar. 1956. PRZEGLĄD GÓRNICZY. Warszawa, Poland

SOURCE: East European Accessions List (EEAL) LC VOL. 5, No. 6, June 1956

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New basis for estimating the cost of work on rails. p. 459.
Vol 7, no. 12, Dec. 1955. PRZEGLAD KOLEJOWY. Warsaw, Poland.

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"Some problems of high-speed flights," Narodna Brila, Geograd, Vol 4, No 4, July/Aug. 1953, p. 31.

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Zaklady jemme mechaniky. M. Hajn [a] V. Sulc. [Vyd. 1.] Praha, Statni pedagogicke nakl., 1953. (Ucebni texty vysokych skol) [Fundamentals of the Mechanics of Precision Instruments. Vol. 3. diagrs.]

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

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HAJMASY, Tibor; IZMAY, Ferenc

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HAJMASY, Tibor

Role of instrumental testing in the classification of textiles.
Magy textil 15 no.3:128-130 Mr '63.

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HAJMASY, Tibor; IZMAY, Ferenc

Correlations between physical characteristics of synthetic fibers and properties of the more important fabrics made of those synthetic fibers. Magy textil 17 no.3:97-105 Mr '65.

1. Research Institute of Textile Industry, Budapest.

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BOJTAR, Pal; HAJMASY, Tibor

Application of mechanical and electronic elements in textile tests. Magy textil 15 no.2:82-92 F '63.

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Questions relating to the theory and testing of the serviceability of textiles. Magy textil 14 no.9:415-426 S '62.

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1. Ortopedicka klinika Univerzity P. J. Safarika v Kosiciach, predn. doc. dr. M. Haluzicky.

(FEMUR wds. & inj.) (TIBIA wds. & inj.)
(ACCIDENTS INDUSTRIAL)

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HAJKR, Oldrich, doc., dr.

Some special cases of the shortest connection between two mine galleries in normal position. Sbor VSB Ostrava 8 no.4:409-420 '62.

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HAJKR, O.; [illegible], B.

Study of the outlines of [illegible] profile by [illegible] means.
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1. Submitted December 20, 1963.

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SLONIM, Dimitrij; MICHL, Jiri; CINNEROVA, Olga; MARES, Ivo; DREVO, Milan; za spoluprace: STEPANOVE, E.; HAJKOVE, H.; JARKOVE, A.

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(POLIOMYELITIS immunol.)
(VACCINES)

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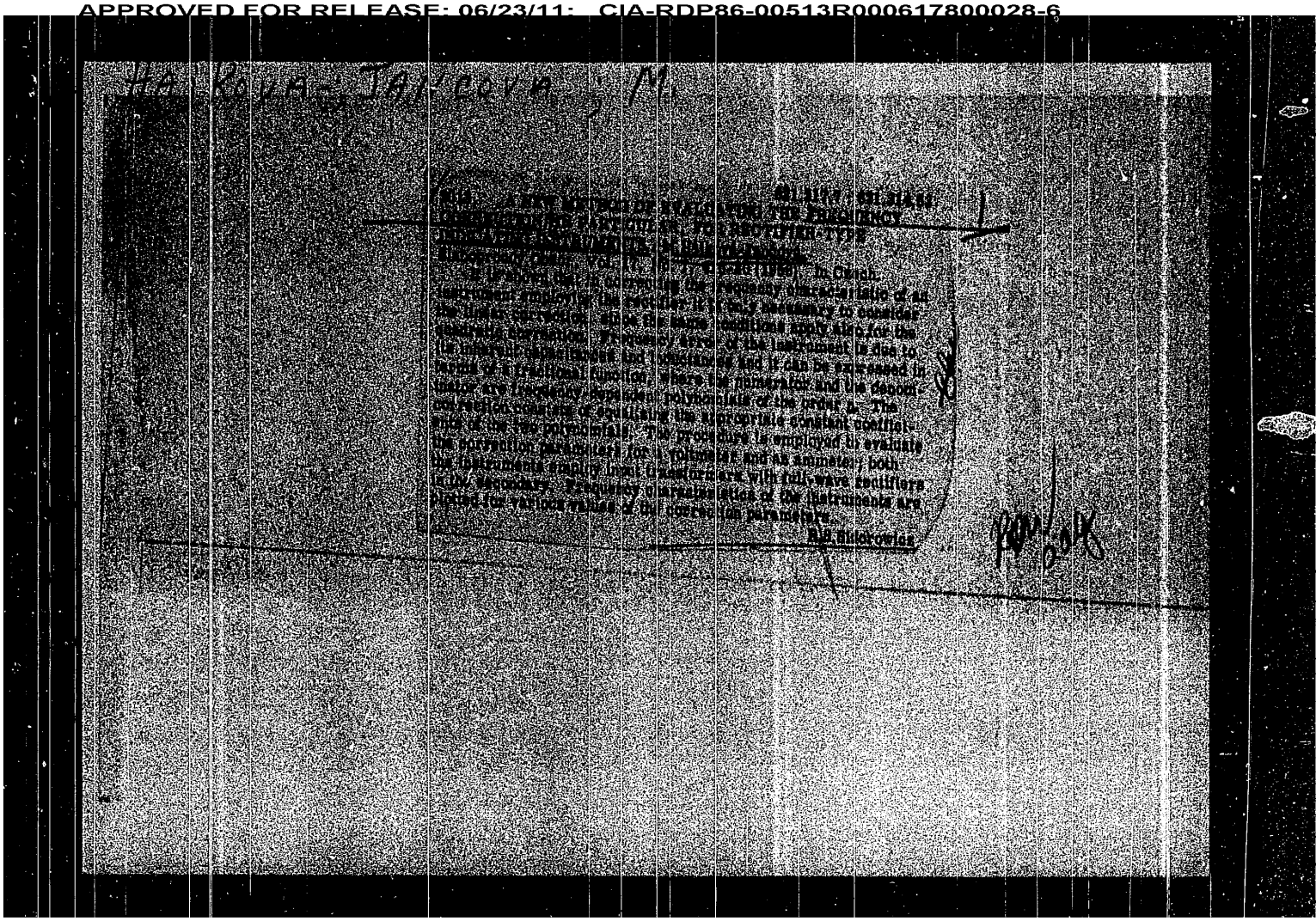

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HAJKOVÁ-JANCOVA, M.

Wireless Engineer
May 1954
Circuits and Circuit Elements

621.3.018.78 1324

A New General Method for Frequency-Distortion Correction of a Given Circuit in Light-Current and Instrument Engineering. —M. Hájková-Jancová. (*Elektrotech. Obz.*, Sept. 1953, Vol. 7, No. 9, pp. 268–269.) The frequency-dependent function, e.g. the amplification factor, is expressed as the ratio of power series of functions of the frequency, and the condition for a minimal frequency dependence is found.

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HAJKOVA, Z.; IANGER, L.

Influence of periarterial sympathectomy on skin temperature in progressive polyarthritis. Fysiat. vestn. 43 no.6:335-340 D '65.

1. Fysiatricky a balneologicky ustav (prednosta - prof. dr. F. Lenoch, DrSc.) a II. chirurgicka klinika fakulty vseobecneho lekarstvi Karlovy Univerzity v Praze (prednosta: prof. dr. J. Lhotka, DrSc.).

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[illegible] rain temperature in progressive polyarthritis. Fysiat. [illegible]. 43 no.4:303-308 Ag '65.

1. Fysiatricky a balneologicky ustav fakulty vseobecneho lekarstvi Karlovy Univerzity v Praze (prednosta prof. dr. F. Lenoch, DrSc.).

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LANGER, L.; DOSTAL, C.; HAJKOVA, Z.

Long-term therapeutic results with periarterial sympathectomy in progressive polyarthritis. Cas. lek. cesk. 104 no.23:634-636 11 Je'65.

1. II. chirurgicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta: prof. dr. J. Lhotka); Vyzkumny ustav chorob revmatickych v Praze (reditel: prof. dr. F. Lenoch); a Fyziatricky a balneologicky ustav fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta: prof. dr. F. Lenoch).

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KOLMAN, J.M.; MALKOVA, D.; NEMEC, A.; SMETANA, A.; HAJKOVA, Z.; MIRAR, .

The isolation of the Tahyna virus from the mosquito Aedes vexans in southern Moravia. J. hyg. epidem. (Praha) 8 no.3:380-386 '64

1. Institute of Parasitology, Czechoslovak Academy of Sciences, Prague.

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PAZDERKA, V.; HAJKOVA, Z.; KADLCOVA, L.; POLAKOVA, Z.

Round-cell infiltrates in skeletal muscles in progressive polyarthritis. Sborn.lek.62 no.12:365-370 D '60.

1. I. patologicky ustav fakulty vseobecneho lekarstvi University Karlovy, prednosta prof.dr. B.Bednar; Fyziatricky a balneologicky ustav fakulty vseobecneho lekarstvi University Karlovy; Vyskumny ustav chorob revmatickych v Praze, prednosta prof.dr. Fr.Lenoch; I. detska ortopedicka klinika pediatricke fakulty University Karlovy, prednosta prof.dr. O.Hnevkovsky.
(ARTHRITIS RHEUMATOID pathol)
(MUSCLES pathol)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

LANGER, Ladislav; LHOTKA, Jaroslav; HAJKOVA, Zdenka

Therapeutic results with sympathetic blocks and peri-arterial sympathectomy in progressive polyarthritis. Cas.lek.cesk. 99 no.43:1368-1372 21 O '60.

1. II. chirurgicka klinika KU v Praze, prednosta doc. dr. J.Lhotka, Balneologicky ustav KU v Praze, prednosta prof. dr. Fr. Lenoch.
(ARTHRITIS RHEUMATOID ther)
(ANESTHESIA CONDUCTION)
(SYMPATHECTOMY)

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3237. ARTERIAL CHANGES IN RHEUMATIC DISEASE - Cévní změny u revmatických chorob - Hájková Z. Fysiat. a Balneol. Ust. Karlovy Univ., Praha - FYSIAT. VESTN. 1958, 36/1 (55-61) Illus. 4

In various types of inflammatory rheumatism rheumatic angiitis in various tissues and organs was revealed in which the fibrinoid degeneration affects in particular small arteries and prearterioles and is accompanied by a perivascular accumulation of lymph-, granulo- and histiocytes. Ratschow and others describe Bürger's disease in young individuals as polyangiitis rheumatica. Organic and functional disturbances of the blood supply were found in patients suffering from acute rheumatism and progressive polyarthritis. It is due to a greater readiness to vasoconstriction and a greater permeability of the capillaries in the active phase of the disease. Disturbances of the venous circulation are usually also present. In Bürger's disease osteoporosis of the skeleton is caused by an inadequate blood supply as shown by the skiagram of the patient. In one patient suffering from Bechterew's disease (ankylosing spondylitis) hyaline necrosis of the collagenous tissue round the capillaries with poly- and mononuclear infiltration of the skin of the back were found (Kubát). In degenerative disease of the joints the great strain leads to capillary stasis and to changes of the bones. Disturbances of the peripheral circulation in rheumatic affections is one of the symptoms of the disease. (XIX, 6)

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however, it can be distinguished. Hyperostotic spondylosis occurs in older subjects, whereas a.s. occurs in younger ones. The spinal rigidity in the former disease affects especially the thoracic region and is not accompanied by muscular atrophy; in a.s. the spinal rigidity is chiefly located in the lumbar portion, often also the cervical one, and the muscular atrophy is marked. Pain in the spondylotic affection is not, as a rule, as great and the peripheral joints are affected by changes of degeneration, whereas in a.s. the pain is considerable and in 25-70% of the patients the limb joints are affected by inflammation; and furthermore, ankylosis of the intervertebral and costovertebral joints takes place. The ESR is in the first case normal or only slightly raised; in a.s., it is high in 75% of the cases. Differences are to be found between the 2 diseases also from the pathological and X-ray points of view. In hyperostotic spondylosis the ossifications are apparent mainly on lateral views and are seen throughout the entire height of the vertebral body. There is no synostosis of the sacroiliac clefts. In a.s., syndesmophytes are most visible on anterolateral views and occupy only the lower and upper thirds of the vertebral body adjacent to the intervertebral cleft. In this disease there are also advanced changes at the sacroiliac junction or even ankylosis. With regard to treatment of hyperostotic spondylosis, thermotherapy, X-ray treatment and in severe cases a sparing use of the motor apparatus is recommended.

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5029. (1038) HÁJKOVÁ Z. Fysiat. a Balneol. Ústav, Karlovy Univ., Praha.
*Spondylosis hyperostotica. Spondylosis hyperostotica FYSIAT. VESTN. (Praha) 1956, 34/4 (206-213) Illus. 4

Hyperostotic spondylosis is a degenerative rheumatic disease of the spine in which the osteoplastic potency of the subperiosteal mesenchyme is considerably developed. This disease is often thought to be ankylopoietic spondylarthritis (a.s.) from which,

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HAJKOVA, Zdenka, as., MUDr; HAJEK, Stanislav, as., MUDr

Effect of chrysothiotherapy on hemoglobin resistance. Fysiat.vest., Praha 33 no.3:101-106 June 55.

1. Fysiatricky a balneologicky ustav Karlovy university v Praze, prednosta prof. MUDr Frantisek Lenoch. Ustav pro soudni lekarstvi lekarske fakulty hygienicke Karlovy university v Praze, prednosta prof. MUDr Edvard Knobloch.

(HEMOGLOBIN
resist., eff. of gold ther.)
(GOLD, effects
on hemoglobin resist.)

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HAJKOVA Z.

POLAKOVA, Z.; POPELKA, S.; TRUHLAR, P.; HARTOVA, E.; NECHVATALOVA, L.; PAUROVA, V.; ZAMOSTNA, M.; KRALIK, V.; LENOCH, F.; HAJKOVA, Z.; HNEVKOVSKY, O.; KADLECOVA, L.

Physical therapy in Bechterew's disease. II. passive exercises. Fysiat. vest. Praha 32 no.3:72-86 Apr 54.

1. Z II. kliniky pro ortopedii a detskou chirurgii Karlovy university v Praze, prednosta prof. MUDr. O.Hnevkovsky. Z vyskumneho ustavu chorob reumatickych v Praze, reditel prof. MUDr Fr.Lenoch. Z fysiatrickeho a balneologickeho ustavu Karlovy university v Praze, prednosta prof. MUDr Fr.Lenoch.

(SPONDYLITIS, ANCYLOSING, therapy
exercise ther.)
(EXERCISE THERAPY
ancylosing spondylitis)

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KARFIK, V., Doc. dr.; HAJKOVA, V., dr.

A.V.Vishnevskii's blocks in the treatment of burn shock. Cas.lek. cesk. 91 no.35:1002-1005 29 Aug 52.

1. Ze Stat. ustavu pro plastickou chirurgii v Brne. Prednosta: doc. MUDr V.Karfik.

(ANESTHESIA, REGIONAL, in various diseases,
nerve block in shock in burns)
(BURNS, complications,
shock, ther., nerve block)
(SHOCK, etiology and pathogenesis,
burns, ther., nerve block)

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BORSKY, I.; HAJZOKOVA, M.; HUBAC, M.

Changes of certain blood values in workers of the cable car system in Tatranska Lomnica. Pracovni lek.12 no.8:426-430 0'60.

1. Ustav hygieny prace a chorob z povolania v Bratislave, riaditel MUDr. I. Klucik.
(BLOOD)
(ALTITUDE)

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FRANC, Jaroslav, inz.; HAJKOVA, Marie; JEHLICKA, Vladimir

Determination of aromatic substances separated by paper chromatography and thin-layer chromatography. Chem zvesti 17 no.8:542-549 '63.

1. Vyzkumny ustav organickych syntez, Pardubice - Rybitvi.

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HAJKOVA, I.; BUCKOVA, H.; CESKOVA, E.; NADHEROVA L.

Study of tannins in some species of the genus Geranium. Cesk. farm. 13 no.4:183-185 My '64

1. Katedra farmakognosie farmaceutickej fakulty UK [University Komenskeho], Bratislava.

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HAJKOVA, MARIA.

Mucniky. 4.rozsirene vyd.

Bratislava, Czechoslovakia. Vydavatelstvo Koh, 1958. 322,(1) p.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960.

Uncl.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

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89268

Z/023/60/000/004/004/004
A224/A026

On the Occurrence of the Sporadic E-Region Over Europe

The maximum occurrence was observed in June in all years. The daily peak activity was observed between 0800 - 1100 and 1500 - 2000 hours. No correlation between the occurrence of the sporadic E-region and the storm activity was established. The paper was reviewed by P. Beckmann. There are 7 figures and 7 references: 3 Czech, 3 English, and 1 German.

ASSOCIATION: Geophysical Insitute of the Czechoslovak Academy of Sciences, Boční II, Praha 4 - Spořilov

SUBMITTED: November 21, 1959

Card 2/2

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Z/023/60/000/004/004/004
A224/A026

9,9110 (1041,1046,1060)

AUTHORS: Hájková, Jaroslava; Jiskra, Miroslav

TITLE: On the Occurrence of the Sporadic E-Region Over Europe

PERIODICAL: Studia Geophysica et Geodaetica, 1960, No. 4, pp. 409 - 415

TEXT: The paper deals with the evaluation of the statistical material on the occurrence of the sporadic E-region over Central Europe. The material was collected between January 1, 1955, and December 31, 1958, by tracing the propagation of short and ultrashort waves (30 - 100 Mc), at distances of 500 to 2,000 km, at the Ionospheric Station of the Gephysical Institute of the Czechoslovak Academy of Sciences in Panská Ves (50°31.8'N-14°34.0'E). The radio broadcast was received by a commercial all-band set, and the TV broadcast by the "Leningrad T-2" set. The observation of the reception conditions was conducted daily by M. Jiskra from 0700 to 1900 hours, local time, and up to 2300 hours, Central European time, under favorable reception conditions. Remarkable is an unusual high E-region activity in the first half of August 1958, especially on the 6th, 8th, 9th, and 10th, although the Perseid shower was not very active as compared with past years, according to the Astronomical Institute of the Czechoslovak Academy of Sciences at Ondřejov.

Card 1/2

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HAJKOVA, Irena, RNDr., PhMr. (Bratislava, Bakuninova 12); SOVOVA, Marie, KOSOVA, Vera

Medicinal plants of Pouzdrany Hills. Acta pharmac 6:43-61 '62

1. Katheder fur Pharmakognosie der Pharmazeutischen Fakultat, Bratislava (for Hajkova). 2. Katheder fur pharmazeutische Botanik der Pharmazeutischen Fakultat, Bratislava (for Sovova). 3. Forschungsinstitut fur Futterstoffe der Tschechoslowakischen Akademie der landwirtschaftlichen Wissenschaften, Pohorelice (for Kosova).

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-1-

CZECHOSLOVAKIA

HAJKOVA, I; BRAZDOVA, V.

Chair of Pharmacognosis of the Pharmaceutical Faculty VU (Katedra farmakognosis farmaceutickej fakulty VU), Bratislava (for both)

Bratislava, Farmaceuticky obzor, No 8, 1963, pp 343-346

"Content Determination in Flos and Fructus Sambuci During the Period of Vegetation."

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

HAJKOVA, I.; BRAZDOVA, V.

Pharmacognostic department, Pharmaceutical Faculty, Charles University, (Katedra Farmakognosie Farmaceutické fakulty UK), Bratislava

Bratislava, Farmaceuticky Obzor, No 3, 105-110.

"Contribution to the Evaluation of Glycyrrhiza Glabra L. (Liquorice)

(2)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

HOUSKOVA, Jirina, inz.; HAJKOVA, Helena

Physical properties of some loose materials. Prum potravin 16 no.4:205 Ap '65.

1. Central Research Institute of the Food Industry, Prague.
Submitted September 25, 1964.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

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MACEK, Milan; MICHL, Jiri; HOSTICKA, Lid... KUCEROVA, M... BRDICKA, Radim; CERNY, Milos. Tech... Spoluprace:HAJKOVA,H.; DUCHKOVA, ...

Shereshevskii - Turner syndrome in the light of new clinical and cytological data. Acta Univ. Carol. [med.] (Praha) 10 no.1:87-105 '64

1. Ustav vyzkumu vyvoje ditete fakulty, detskeho lekarstv... - versity Karlovy v Praze (reditel: prof. MUDr. J. Houstek, D... Sc); Ustav ser a ockovacich latek (reditel: MUDr. J.Johanovsky, CSc.); II. detska klinika fakulty detskeho lekarstvi University Karlovy v Praze (prednosta: prof. MUDr. J. Houstek, Dr Sc) a Ustav obecne biologie fakulty vseobecneho lekarstvi University Karlovy v Praze (reditel: prof. MUDr. B.Sekla, Dr Sc).

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L 5109-66

ACC NR: AP6000248 SOURCE CODE: CZ/0008/65/059/002/0222/[illegible]

AUTHOR: Nevoral, Vladislav; Hajkova, Gabriela

ORG: Research Institute for Physiatry, Balneology and Climatology, Marianske Lazne (Vyzkumny ustav pro fyziatrii, balneologii a klimatologii)

TITLE: Determination of trace amounts of sodium in potassium salts

SOURCE: Chemicke listy, v. 59, no. 2, 1965, 222-224

TOPIC TAGS: sodium, potassium compound, trace analysis, photometry

ABSTRACT: The method is based on flame photometry, after the K is separated using tetraphenyl boric acid on an ion exchanger. Modification using organic solvents in the elution solution to increase the column capacity is described. Orig. art. has: 2 figures, 2 tables. [JPRS]

SUB CODE: IC, GC / SUBM DATE: 27Apr64 / ORIG REF: 001 / OTH REF: 005
SOV REF: 001

Card 1/1

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

HAJKO, V.

Course of the reptation effect. Chekhosl fiz zhurnal 14 no. 3:203-2105 '64.

1. Faculty of Physics of the Safarik University, Kosice.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

KAVECANSKY, Vincent; HAJKO, Vladimir; DANIEL-SZABO, Juraj

Effect of the gradual magnetic reversal on the field structure of polycrystalline Fe-Si sheets. Mat fyz cas SAV 13 no.1: 64-71 '63.

1. Katedra fyziky, Vysoka skola technicka, Kosice, Komenskeho 40.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

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HAJKO, V.

"Definition of coercive force."

ELEKTROTECHNICKY CASOPIS, Bratislava, Czechoslovakia, Vol. 10, no. 1, 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 8, August 1959

Unclassified

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CZECH/37-59-1-6/26

AUTHORS: Vladimír Hajko, Juraj Daniel-Szabó

TITLE: The Influence of an Alternating Magnetic Field on the Remanent Magnetism of Soft Materials

PERIODICAL: Československý Časopis Pro Fysiku, 1959, Nr 1, pp 38-46

ABSTRACT: Starceva and Šur (Ref 1) have shown that a decreasing alternating magnetic field does not always have a demagnetizing effect. The effects have been interpreted by Kondorskij (Ref 2). We have studied similar phenomena in a ring-shaped sample which has been brought into its remanent state by processes shown in Fig 2a or 2b. The ring consisted either of layers of transformer iron or of a compact soft ferrite (Fe_2O_3, 5%; MnO, 24%; ZnO, 24%). Some open samples of various soft materials were also used. Fig 3 shows the results for a ring made of transformer iron. It shows the dependence of the relative remanent magnetisation on the maximum amplitude of the alternating magnetic field (50 c/sec). The various curves refer to different magnetising fields used for the original magnetisation of the sample. Fig 4 shows similar curves for a ferrite ring. Kondorskij's interpretation, using the inhomogeneity of the

Card 1/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

CZECHOSLOVAKIA/Magnetism. - Ferromagnetism. F

Abs Jour : Ref Zhur Fizika, No 12, 1959, 27576

Author : Hajko, Vladimir; Daniel-Szabo, Juraj

Inst : Technical Institute, Kasice, Czechoslovakia

Title : On the Character of the Hysteresis of the Demagnetizing Factor

Orig Pub : Chekhosl. fiz. zh., 1958, 8, No 6, 685-688

Abstract : The character of hysteresis of the demagnetizing factor is explained on the basis of the distribution of the magnetization along a rod upon going through the hysteresis loop.

Card 1/1

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HAJKO, V.

Two remarks on demagnetization factors of ferromagnetic rods. p. 46.
(Matematicko-Fyzikalny Casopis, Vol. 7, No. 1, 1957, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol 6, No. 8, Aug 1957. Uncl.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

HAJKO, V.; DANIEL-SZABO J.

Study on the magnetic reversal process of ferromagnetic rods. p. 16.
(Matematicko-Fyzikalny Casopis, Vol 7, No. 1, 1957, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAI) LC, Vol 6, No. 8, Aug 1957. Uncl.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

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HAJKO, V.

HAJKO, V. A conference in Moscow on the physics of magnetic phenomena. p. 261. Vol. 6, no. 4, 1956/ MATEMATICKO-FYZIKALNY CASOPIS. Bratislava, Czechoslovakia.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

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CZECHOSLOVAKIA/Magnetism - Diamagnetism. Paramagnetism. F.

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 15566

Author : Hajko, Vladimir; Daniel-Szabo Juraj
Inst :
Title : On the Character of Hysteresis of the Demagnetizing Factor

Orig Pub : Ceskosl. casop. fys., 1956, No 3, 352-354

Abstract : No abstract.

Card 1/1

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6

HAJKO, V.

Hysteresis of the demagnetization factor. p. 435

Vol. 5, no. 4, July 1955
CESKOSLOVENSKY CASOPIS PRO FYSIKU
Praha, czechoslovakia

So: Eastern European Accession Vol. 5, No. 4, 1956

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HAJKO, V.

Methods of calculating demagnetization coefficients of rectangular rods, p. 211
(Strojnoelektrotechnicky Casopis. Bratislava, Vol 4, No. 2, 1953)

SO: Monthly list of East European Accessions, (EEAL), LC Vol 4, No. 6, June 1955, Uncl

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800028-6